fischer

M&E

Professional fixings for professional and electrical solutions.

DP BUILDING SYSTEMS



EA II hammerset anchor with a rim for quick and easy installation.



- **The EA II** is easy to hammer in and expand.
- Maximum load capacity in non-cracked concrete.
- Can be used with components thicker than 80 mm.
- The EA II M12x50 D with a greater sleeve diameter is specifically designed for fixing diamond saws and core drill equipment.



- Reduced drill hole depth, EA II h_{ef} = 25 mm for faster installation and less risk of reinforcement strikes.
- ETA use of commercial threaded bars and bolts is possible.
- The black fixing point prevents the anchor from falling out of the drill hole before being expanded.



EBB Drill Bit
The stop drill bit EBB is a special drill bit with SDS-Plus socket for creating drill holes in conjunction with the fischer hammerset anchor EA II M 6 x 25.

- Stop drill for fast installation
- The drill hole depth of 27 mm reduces reinforcement hits.
- Suitable for the fischer hammerset anchor EA II hef = 25 mm.



EHS Setting tool



EMS Machine Setting tool

Benefits

- The embossed rim prevents the anchor sleeve from slipping, ensuring trouble free hammerset installations.
- The internal metric thread means that it's possible to use standard screws or threaded rods, ideal for adjustment to suit the intended use.
- EMS machine setting tool is designed for effortless installation, particularly for series installations.
- When applied the EHS Plus setting tool embosses the rim when the anchor is fully expanded offering a simple level of control and safety.
- Fixing point at hef 25 mm prevents anchor of falling out of the drill hole before being expanded.
- The black fixing point prevents the anchor from falling out of the drill hole during overhead installation.

Performance

- The fischer hammerset anchor EA II is an internal thread anchor made from zinc-plated and stainless steel.
- The fischer hammerset anchor is ideal for anchoring sprinkler systems, cable trays, and cantilevers both inside and outside.
- The European Technical Assessment for non-cracked concrete, approval for multiple use for non-structural systems, and classification into fire resistance class R 120 offer added safety.
- The embossed rim prevents slipping.
- The hammerset anchor is mounted with the hammer flush to the base material.
- The EHS setting tool clearly marks the top of the anchor as proof they are set correctly.
- The EMS is a machine setting tool with SDS Plus drill chuck.

Recommendation



Applications



Approvals

ETA-07/0135
Option 7 for non-cracked concrete

ETA-07/0142
Multiple use for non-structural applications in concrete

Fire resistance classification R 120
Anchor types see test report

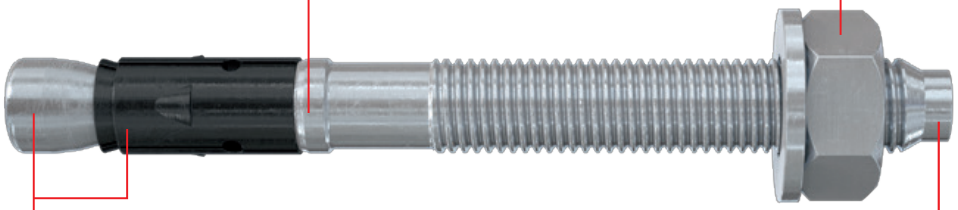
FM APPROVED from M10

from M8

FAZ II High performance, powerful steel anchor bolt.

The distinctive edge holds the expansion clip in position even with reinforcement hits ensuring safe installations.

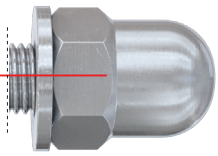
With a choice of pre-assembled normal washer or large washer GS and with washer HBS in compliance with wood construction standard DIN 1052. (not pre-assembled).



The interaction of cone and expansion clip significantly increases load-bearing capacity and makes minimum edge distance and axial spacing possible. For use under maximum load requirements.

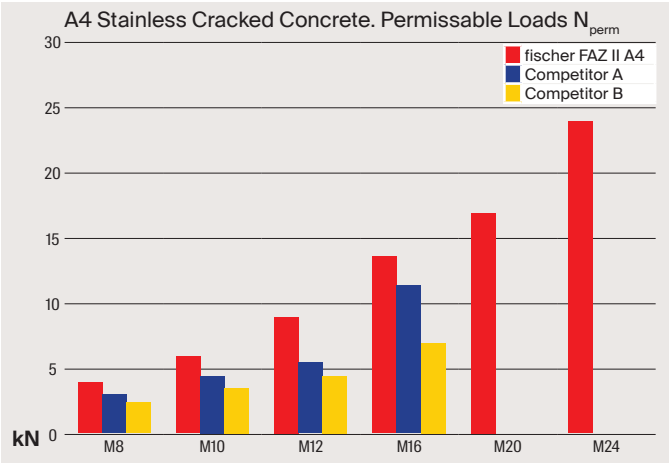
The protuding pin protects the thread from damage during setting.

The special dome head nut (M10 and M12) are regulated in the ETA (assessment) and are the best choice for architecturally demanding applications.

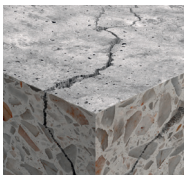


Benefits

- With the new ETA assessment for Option 1 the tension loads are increased up to 10% and the shear loads up to 17%. So fewer and smaller anchors are required.
- The minimum embedment depth (see example) makes considerably shorter drill hole depths possible, thus provides a noticeably faster installation and less rebar hits.
- The new cup nut not only gives the option for a more aesthetic look but also promotes accident free installations.
- The FAZ II M6 is the Worlds first anchor bolt with a drill hole diameter 6 mm and ETA Option 1, for safe and approved anchorage.



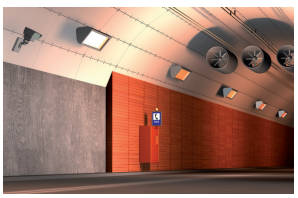
Recommendation





Applications







Approvals

ETA-05/0069, for cracked concrete

ESR-2948

Fire resistance classification R 120

M8 - M20

FM APPROVED from M10

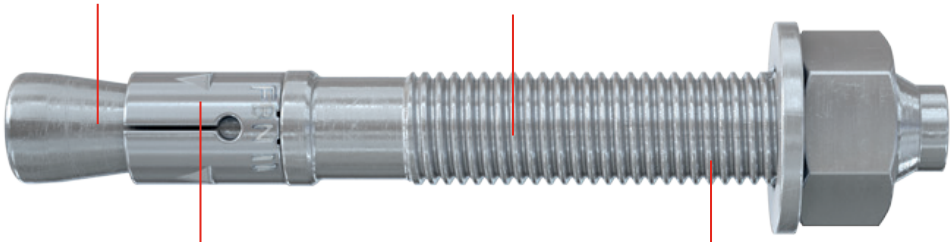
1200 °C ZTV

SEISMIC

FBN II Steel anchor bolt for high demands in non-cracked concrete.

Reduced anchorage depth reduces the drill hole depth, minimising installation time.

Long threads increase the range of base plate thickness's possible allowing stand-off installations and increased flexibility.

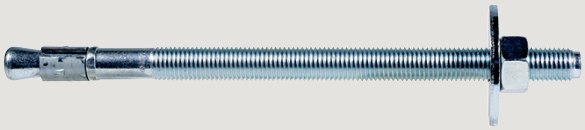


Standard anchorage depth achieves large load bearing capacities so fewer fixing points and smaller anchor plates are required.

Less hammer blows and minimal torque slippage gives noticeably faster installations.

FBN II GS with large washer for flexible use in non-cracked concrete.

- The pre-fitted washer ensures a fast installation.
- The large washer creates a greater supporting surface which is ideal for timber constructions.



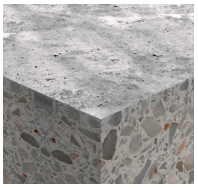
Benefits

- The standard anchorage depth achieves maximum load bearing capacities with fewer fixing points, smaller anchor plates are required.
- The smaller anchorage depth reduces the drill hole depth.
- Less hammer blows and minimal torque slippage offers noticeably simpler installation.
- The drive-in pin protects the thread from damage.
- Available in corrosion class III and HDG.

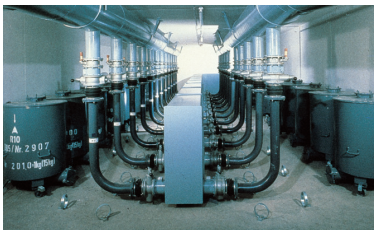
Performance

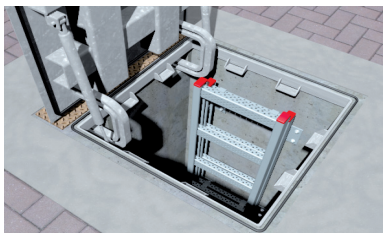
- The FBN II anchor bolt is a steel anchor for cost effective use in non-cracked concrete.
- Suitable for pre-positioned and push-through installations.
- The long thread and the two anchorage depths makes it particularly adaptable for a wide range uses.
- FBN II GS is suitable for stand-off installation.
- Stainless steel version suitable for façade substructures, cantilevers and external ladders.

Recommendation



Applications





Approvals

ETA-07/0211
for cracked concrete

ETA-18/0101,
for non-cracked concrete

UltraCut FBS II 6 The first concrete 6mm diameter screw with variable embedment depths.

Different head designs offer maximum flexibility and a perfect match for the application.

ULTRACUT FBS II 6 SK
The special double angle under-head geometry increases the stability of the concrete screw during screwing in.



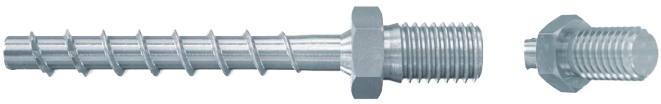
ULTRACUT FBS II 6 P / LP
The design of the concrete screw with panhead and large panhead allows for aesthetic installation.



ULTRACUT FBS II 6 US
The special head geometry for use in mounting rails with a socket (SW10) enables simple installation of the add-on part.



ULTRACUT FBS II 6 M8 or M10
A hanger bolt enables the easy and suitable application of pipe clamps and connecting elements.



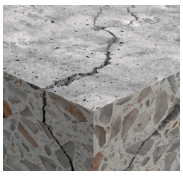
ULTRACUT FBS II 6 M8/M10 I
The design of the concrete screw with step thread offers maximum flexibility when mounting threaded rods or connecting elements.



Benefits

- The first concrete screw with diameter 6 mm and variable embedment depths. Enables high flexibility and a precise adaption on the loads.
- The ETA assessment option 1 includes the use in cracked and non-cracked concrete for highest safety requirements.
- The first 6 mm diameter concrete screw with an ETA assessment for the C1 seismic performance category for additional safety standards.
- The ULTRACUT FBS II 6 is approved for multiple use of non-load bearing systems and thereby ideal for the installation of pipe routes, cable trays and prestressed hollow concrete ceilings.
- Drill holes do not need to be cleaned during vertical installation (ceiling and floor).
- Different head designs offer a maximum of flexibility and a perfect adaptation to the application.
- The approved adjustment for the concrete screws allows the screw to be unscrewed twice to place packing below the base plate head or to align the attached part, and then to tighten the screw again.

Applications







Approvals

ETA-18/0242,
Multiple use for non-structural applications in concrete

ETA-15/0352,
Option 1 for cracked concrete
Seismic performance catagory C1

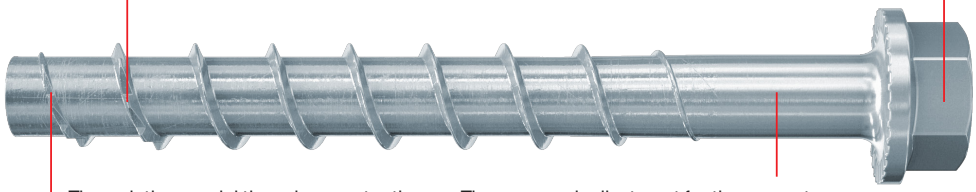
Fire resistance classification
R 120
Anchor types see test report

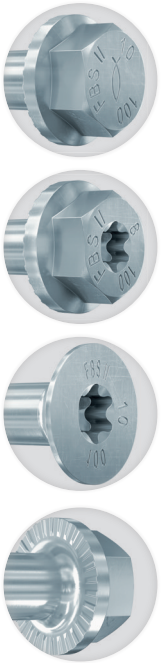
SEISMIC

UltraCut FBS II
High performance concrete screw

Unique patented saw-tooth geometry cuts quickly into the concrete. It can be installed several times and used in reinforced concrete.

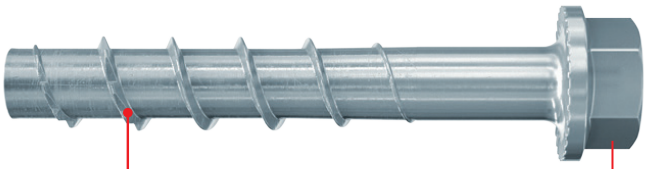
The ULTRACUT FBS II is available in different head designs. Countersunk and hexagonal head with and without internal torx drive.





Through the special thread geometry, the screw flanks cut deeply into the concrete and allow higher loads. This saves costs because less anchor points and smaller base plates are required.

The approved adjustment for the concrete screws allows the screw to be unscrewed twice for a total length of 20 mm, to place maximum 10 mm packing below the base plate head or to align the attached part, and then to tighten the screw again.

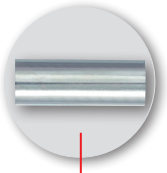


The short ULTRACUT FBS II, with a reduced embedment depth, allows for a short drill hole depth, fast installation and less reinforcement hits which makes it an efficient choice for many applications.

The ribs under the head prevent accidental loosening of the anchor making the system more secure.

Benefits

- With up to 3 embedment depths, the ULTRACUT FBS II makes it possible for the same screw to be used for different component thicknesses.
- Expansion-free anchoring (undercut) allows for lowest edge and axial clearances.
- The assessment (ETA Option 1) covers the use of single-point anchors in cracked and non-cracked concrete.
- The performance categories seismic C1 and C2 ensures that the strictest of safety standards and earthquake specifications can be fulfilled.
- The checking gauge allows a multiple use covered by the approval.
- Zinc plate and corrosion class III stainless steel available.

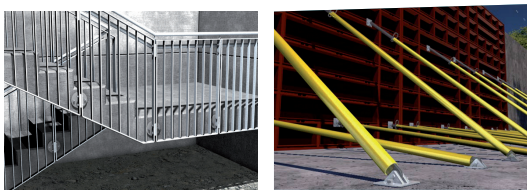


The checking gauge, available separately, allows the outer diameter of the thread to be checked prior to the screw being reused; this complies with the approval for multiple use.

Recommendation



Applications



Approvals

ETA-15/0352 for cracked concrete. Seismic performance catagory C1 & C2

ESR-2948

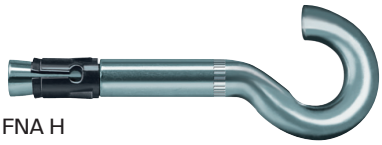
Fire resistance classification R 120 Anchor types see test report

SEISMIC

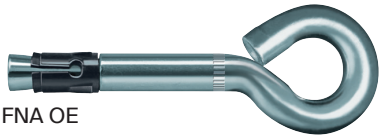
FNA Easy installation hammerset anchor for multiple fixings



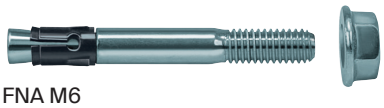
A range of head shapes allows for the fixing of wide-ranging fixtures



FNA H



FNA OE



FNA M6

Benefits

- The principle allows for simple hammerset installation and a short processing time.
- The extremely short anchor depth prevents reinforcement hits and offers safe, fast installations.
- The enhanced expansion clip guarantees a secure hold when placed in the drill hole and prevents it falling out during overhead installations.
- The shaft guarantees a high load bearing capacity, offering an extremely high level of safety.
- The range of different head types allows for the fixing of wide ranging fixtures, and for the ideal adaptation to suit multiple applications.

A range of different head types offer a wide range of fixing solutions.

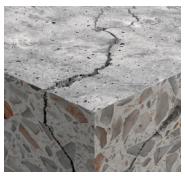
- The FNA II with nail head is suitable for push through installation.
- FNA II M6 is suitable for both pre-positioned and push-through installation.
- The FNA II OE and H are suitable for pre-positioned installation.

Appropriate setting tools as follows:
FNA S-SBO to slip onto the drill.
FNA S-SDS for series installation with a hammer drill
FNA S-H for the manual installation of mounting rails.

Performance

- The fischer nail anchor FNA II with a nail head is made from zinc plated steel, stainless steel, and highly corrosion-resistant steel.
- Primarily ideal for the anchoring of fire protection boards, ventilation systems, metal rails, and subframe systems.
- ETA and fire resistance class R 120 classification ensures safety.
- Mounted in a few hammer blows or with a hammer drill - time saving push-through installation.
- The FNA II expands automatically under load. The cone is pulled into the expansion clip and expands it against the drill hole wall.

Recommendation

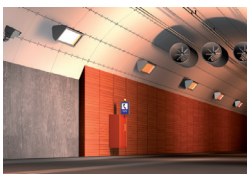






Applications





Approvals

ETA-06/0175
Multiple use for non-structural applications in concrete

Fire resistance classification R 120 Anchor types see test report

ZTV 1200 °C anchor types see test report

RWS 1350 °C Anchor types see test report

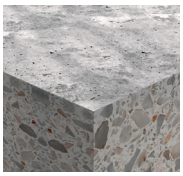
FHY Hollow ceiling anchor for fixing in pre-stressed hollow core concrete slabs.



Benefits

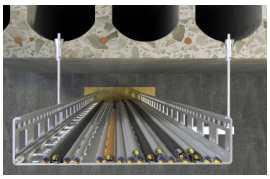
- The active principle of the anchor means that the FHY can be used in cavities or in solid materials up to 5 cm from the tensioning wire. This ensures the highest flexibility and user-friendly installation.
- The special design prevents the anchor sleeve from slipping in the cavity, thus allowing for trouble-free installation.
- The optimised geometry minimises setting energy and allows for use in extremely narrow spaces. This allows for user-friendly installation.
- The metric internal thread means that it is possible to use standard screws or threaded rods for the ideal adaptation to suit the intended use.

Recommendation



Applications

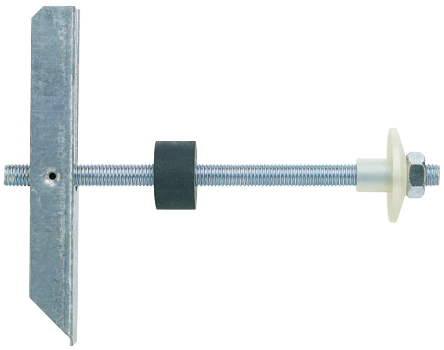




Performance

- The FHY is an internal threaded anchor suitable for pre-positioned installation.
- Set into the drill hole by hand then hammered in until it is surface-flush with the building material.
- When applying the torque, the cone is pulled into the expansion sleeve. This expands in the cavity and in solid building materials it expands against the drill hole wall.
- Ideal for fixing pipelines, cable trays, ventilation systems, sprinkler systems, suspended ceilings consoles and air lines in pre-stressed concrete hollow ceilings in indoor areas.

KM 10 Gravity toggle for different board thicknesses and large usage lengths.



Benefits

- The wide transition beams ensure a good load distribution which achieves a high load-bearing capacity.
- The rubber washer seals the drill hole.
- Universal gravity toggle for a wide range of drywall and hollow wall materials.
- The KM 10 is specially suited to fixing wash basins and urinals into cavity walls with large cavities.

Ideal For: Gypsum plasterboard and gypsum fibreboards, Cavity floor slabs made from bricks and concrete, Chipboard, Plywood

Performance

The toggle is inserted into the pre positioned drill hole and flips open, due to gravity, when installed behind the board.
Does not require a special installation tool which offers fast, convenient installations.

Applications





FIS VL 410 C Injection mortar for all standard applications in cracked concrete and masonry.

Benefits

- Approved in all common building materials.
- Excellent load performance in all building materials allows for economical use of injection mortar and anchor rods, which saves time and cost.
- In service temperature: range: –40°C up to +120°C
- Can be used in dry and wet concrete.
- Approved for water-filled holes with 410ml coaxial cartridges
- Wide range of accessories offers a choice of fixing systems best suited to the FIS VL injection mortar family. This provides a broad range of applications offering safe, economical solutions.



Performance

- The FIS VL is a 2-component injection mortar based on vinylester.
- Resin and hardener are stored in two separate chambers and are not mixed and activated until extrusion through the static mixer.
- Partially used cartridges can be reused, simply by changing the static mixer.

- **Approved in cracked concrete:**
  FIS A / RG M (M10 – M20)
- **Approved in non-cracked concrete:**
  FIS A (M6 – M30)
  RG M (M8 – M30)
  RG MI (M8 – M20)
- **Approved for masonry**
  FIS A / RG M (M8 – M12)

Resin Accessories


ADP Compressed Air Cleaning Tool


FIS AC Dispenser


ABG Blow-out Pump


BS Cleaning Brush


FIS HK Nylon Sleeve


FIS H Fabric Net

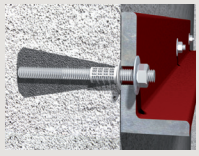

FIS A Threaded Rod


FIS E Internal Threaded Socket

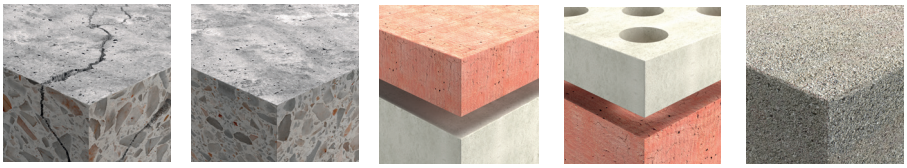

RG MI Internal Threaded Socket

PBB Cone Drill & **PBZ** Centering Sleeve




Aircrete

Recommendation



Applications



Approvals

ETA-10/0352
Option 1 for cracked concrete

ETA-15/0263
Masonry. Use catagories b,c or d and d/d or w/w

ETA-15/0935
Post installed rebar connection (TR23)

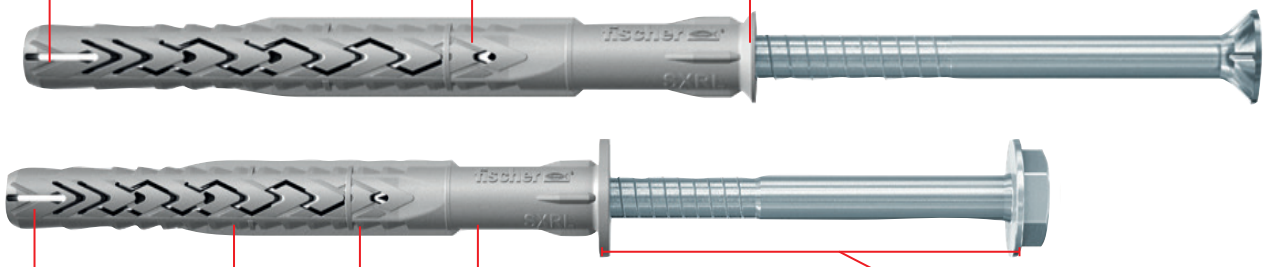
Fire resistance classification
R 120
Anchor types see test report

Several fire test reports available

SXRL The versitile problem solver with multiple anchorage depths.

The long expansion zone with up to three anchorage depths makes the SXRL the most versatile frame fixing in the fischer range.

When the plug is to be set deeper, the side ribs prevent the plug from turning during installation.



The special geometry of the plug distributes the loads uniformly in the drill hole providing outstanding load values in all building materials.

Anchorage depth 90 mm
In concrete, solid and hollow building materials for SXRL 8 and SXRL 10

Anchorage depth 70 mm
In all building materials – conrete, solid and hollow building materials, areated concrete

Anchorage depth 50 mm
In hollow building materials and aerated concrete for SXRL 8 and SXRL 14, in aerated concrete for SXRL 10

The FUS Hex. head screw is designed to prevent corrosion between the fixture and the screw.

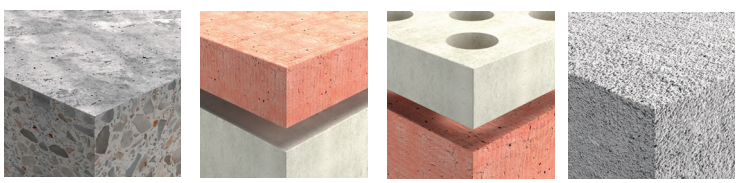
Benefits

- The unique design of plug ensures equal distribution of a positive hold in the drill hole.
- When it is installed through plaster, the longer ribs located underneath the collar prevents the plug rotating during installation.
- Long expansion zone with 90 mm anchorage depth for highest loads in aerated concrete.
- Two expansion zones and 70 mm anchorage depth for solid and hollow building materials.
- SXRL with lengths up to 290 mm provides the correct fixing for every application.
- Extensive range of diameters: 8,10 and 14mm.
- Two head types: countersunk headand hexagon head with moulded washer.
- Available in zinc-plated or corrosion class III stainless steel.

Performance

- In hollow building materials the force is transmitted equally through the two expansion zones. The internal substrate webs are not crushed by the expansion zones and so transmit the force safely.
- In solid building materials and aerated concrete the two expansion zones combine to form one long expansion element, thus providing for a uniform and even distribution of the load into substrate.
- The SXRL-T with a countersunk head screw is recommended for the installation of timber constructions; in the case of metal constructions, use SXRL-FUS with a wide rim and a moulded washer on the screw, which also features an integrated hexagon socket.

Recommendation



Applications



Approvals

ETA-07/0121
Multiple use in concrete and masonry for non-structural applications.

ETA-14/0297
Multiple use in concrete and masonry for non-structural applications.

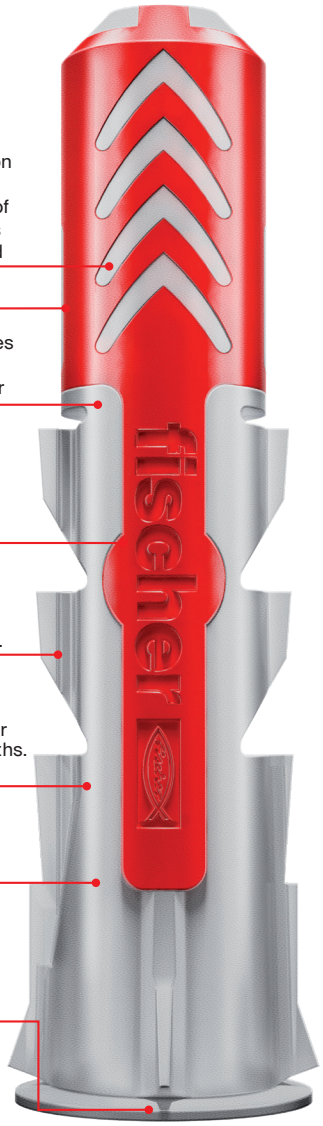
SXRL 14 is approved for applications under compression load and is ideal for facade substructures that are mounted at a distance without wall brackets

Fire resistance classification R 120
Anchor types see test report

DuoPower is a high performance, two component plug which intelligently adapts to the substrate for considerably higher loads.

DuoPower: The only plug that adapts intelligently to the substrate.





Two materials for more expansion volume and considerably higher load capacity. The combination of soft and hard materials achieves the best balance of screw-in and tightening torque.

Depending on the substrate the main body automatically activates the optimum fixing function, expansion, folding or knotting for maximum hold.

Red wings expand to provide extra secure anchoring.

Serrated anti-rotation ribs prevents rotation in the drill hole.

A short plug length offers quicker fixing, with smaller drill hole depths.

Design features within the main body guides the screw towards a perfect fit and safe installation.

The narrow rim prevents slipping in the drill hole and is suitable for pre-positioned and push-through installation.

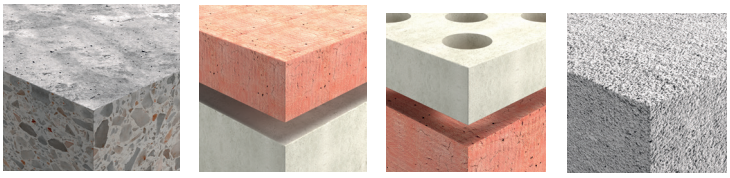
Benefits

- The two components offers a higher volume of expansion and a considerably higher load capacity. The combination of soft and hard materials achieves the best balance of the screw in and tightening torque.
- The shorter length plug ensures quicker fixings without the deep drilling.
- Narrow rim of the plug prevents slipping into the drill hole.
- Serrated anti-rotation feature prevents rotation in the drill hole during installation.
- The greater anchorage depth of the longer DuoPower plugs - 6 x 50, 8 x 65 and 10 x 80 means they are especially suited to fixing in hollow building materials, aerated concrete and to bridge plaster.

Performance

- DuoPower is an intelligent 2-component plug with three product functions.
- The intelligent universal plug is suitable for fixing in all building materials.
- The plug adjusts to the best fixing option - expansion, folding, or knotting, allowing a variety of applications with just one plug.

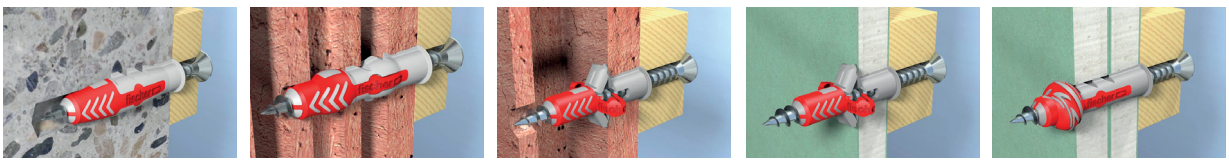
Recommendation



Applications



Installations



DuoTec 10 & 12 nylon toggle for high loads in all panel building materials!

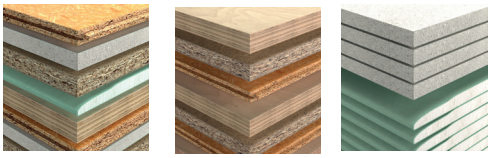
DuoTec easily conquers the challenge of fastening high loads in gypsum plasterboard.



Benefits
- Save up to 50% Installation time.
- For use with wood screws, hooks and metric threads.
- Glass fibre-reinforced plastic with a metal framework.
- DuoTec 12 allows the toggle to handle high tensile and transverse loads in all panel building materials.
- The soft grey nylon surface distributes the load over the panel surface, minimising any weakening of the supporting building material.

Performance
- The fischer DuoTec is designed for simple, pre-positioned installation.
- The short toggle makes it suitable for narrow and mineral wool insulated cavities. *Observe the length of the toggle.*
- Works like an expansion plug in solid building materials such as concrete or wood. Note, not with metric screws!
- Adaptable for the use of wood, chipboard and metric screws and hooks.
- High loads in all load bearing panel building materials and also for solid materials, such as concrete and wood.

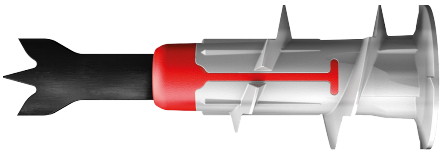
Recommendation



Applications



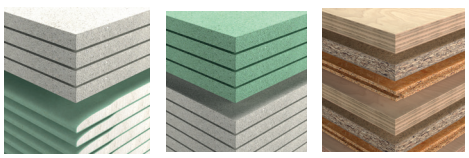
DuoBlade Self drilling Plasterboard fixing



Benefits
- The self-drilling DuoBlade gives fast easy installations into gypsum plasterboard, gypsum fibreboard and lightweight cement board.
- The black metal tip guarantees heat resistant, clean and effective drilling especially in double layered plasterboard.
- PZ 2 drive - same drive for plug and screw
- The fischer DuoBlade can be used with wood, metal and chipboard screws of Ø4.0 to Ø5.0 mm.

Performance
- The fixing is screwed in the pre-positioned installation with a screw driver flush to the surface of the gypsum plasterboard.
- The DuoBlade is adapted for wood, metal and chipboard screws from 4 to 5 mm thickness as well as different hooks and eye screws.
- No special setting device is required.

Recommendation

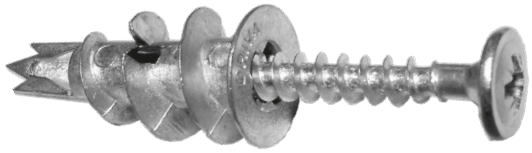


Applications



PDM Metal self drilling plasterboard fixing

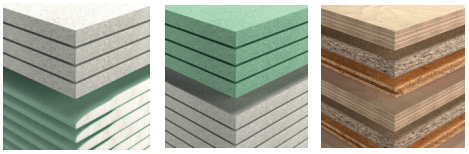
The PDM self drill plasterboard fixing is a self tapping, rapid installation fixing suitable for plasterboard and rear insulated plasterboard.



Benefits
- The PDM can be used in gypsum plasterboard and gypsum fibreboard.
- The sharp, self-tapping thread ensures a secure, positive fit and high load-bearing capabilities.
- The cross-drive recess means a standard screwdriver or bit can be used, no special setting tool is required.
- Short fixing length means that only a small amount of space is required behind the board. As a result, the PDM can also be used in unknown board thicknesses and cavity depth.

Performance
- The fixing is screwed in the pre-positioned installation into the Gypsum plasterboard and gypsum fibreboards flush to the surface. The sharp, self-tapping thread enables a secure, positive fit fixing.
- The PDM can hold wood, sheet metal and chipboard screws from Ø4mm thickness as well as different hooks and eye screws.
- Universally suitable for fixing lighting, electrical installations and fitting accessories securely and quickly.

Recommendation

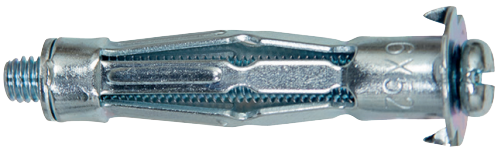


Applications





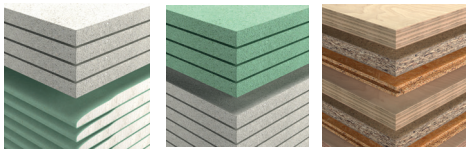
HM Versitile metal cavity fixing with metric screws



Benefits
- Due to the extensive range, the HM is suitable for board building materials with a thickness of 3-50 mm and thus suitable for a number of different applications.
- The metric internal thread allows the attachment to be removed and refitted several times, thus offering the best possible flexibility.
- The HM's expanding arms provides a large supporting surface, allowing high load bearing capabilities.
- The claws around the edge of the fixing penetrate the board building material, preventing the fixing from rotating, which ensures safe installation.

Performance
- The HM is set in the pre-positioned installation using the installation pliers fischer HM-Z 1.
- The HM is pulled against the panel building materials using the pliers and the expanding arms swing open and press onto the reverse side of the board.
- Alternatively, installation is also possible with a screwdriver or cordless screwdriver.
- Fixtures can be mounted and removed several times due to the metric internal thread.

Recommendation



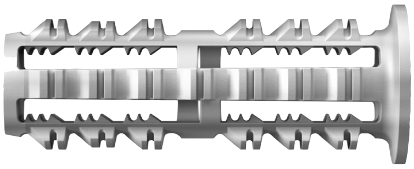
Applications







FGD RodForce hammerset plug for the quick installation of threaded rods in solid building materials.



Benefits

- The innovative plug design delivers quick, easy and time saving installations without any special tools in a few hammer blows.
- The short length prevents reinforcement hits and guarantees a secure hold in reinforced concrete.
- The teeth inside the plug holds standard and metric threads, no need for a large assortment of stud screws.
- Visible rim of the plug serves as visual setting check and guarantees correct setting.

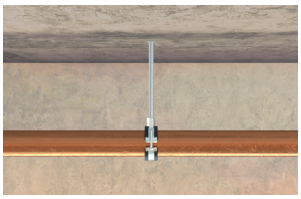
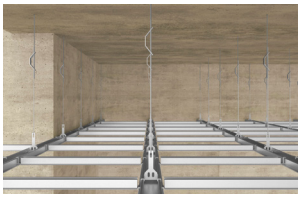
Performance

- The plug expands in four directions when hammering in the threaded rod.
- The plug is set using pre-positioned installation and this is possible in two different ways: Pre-installation of the threaded rods in the plug with both being hammered into the wall together or pre-inserting the RodForce into the drill hole followed by hammering-in of the threaded rod.
- The visible edge of the plug serves as a visual setting guide when it comes in contact with the substrate surface guarranteeing the correct setting.

Recommendation

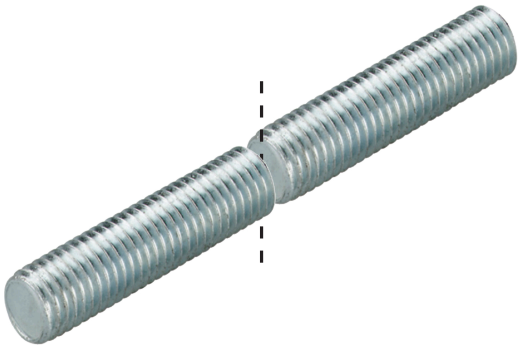



Applications

GS Threaded cut stud

The threaded rod is a cost-effective solution for applications with injection mortars where no approval is required.



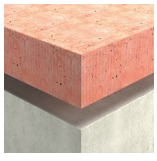
Benefits

- The GS stud is part of an economical fixing system for use with fischer injection mortars.
- The zinc-plated steel threaded rods offer a variety of applications in different building materials depending on the type of injection mortar used or.
- The system is particularly suitable for use with the FGD RodForce plug for quick installations without resin.

Performance

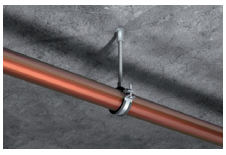
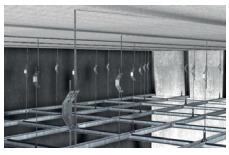
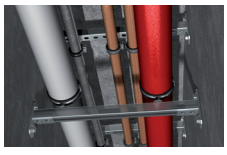
- The threaded rod GS is suitable for pre-installation and push through installation.
- The rod is manually inserted into the drill hole with a slight rotating movement until it reaches the base of the hole.
- Use with Quatric II hammer drill bit

Recommendation

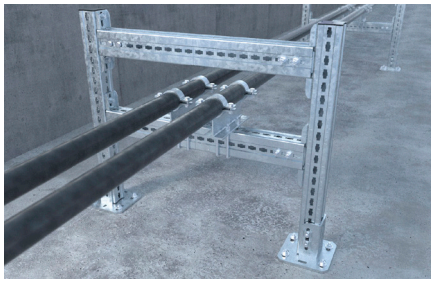


Applications

FMP Massive profile basic element for fastening heavy duty pipelines and solid constructions.



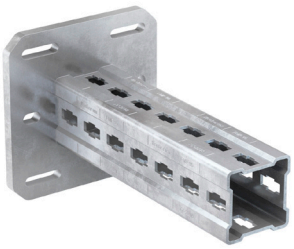


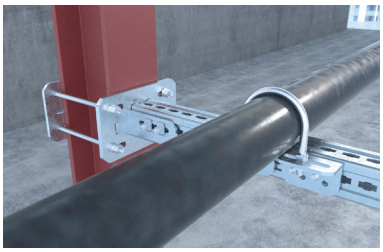
Benefits
- Clearly defined range of product profiles and parts allows on site assembly without prefabrication , considerably reducing time and cost.
- MFP profiles can be processed by cutting at right angles, reducing waste and material costs.
- Construction with the FMS fischer massive channel system produces a fixing basis for dynamic loads and a universally exceptable system.
- The hot dip galvanised range has a thick layer so subsequent coating is not required which speedis up on site handling . Perfect choice for external and corrosive environments.
- Scale measurements on the FMP profile simplifies the cutting and positioning of the fixtures during the installation.

Material Types:
- Material FMP 90 and 120: Steel S235JR (material no. 1.0038) acc. to DIN EN 10025-2
- Material FMP 160: Steel S355MC (material no. 1.0976) acc. to DIN EN 10149-2
- Galvanisation: Hot-dip galvanised, min. 75 µm, acc. to DIN EN ISO 1461

Performance
- The fischer massive profiles FMP are the basic elements of the fischer FMS massive channel system for fastening heavy duty pipelines and solid constructions.
- The massive profiles FMP comprise of square profiles in 3 heights. The shaped holes on all sides of the massive profile allow the mounting of construction elements on all sides as a basis for form-fit fastening.
- The hot-dip galvanised version with high layer thickness is suitable for outdoor installations and in corrosive environments.

FMS Cantilever mounting profiles with welded base plate for fastening heavy duty pipelines.





Performance
- The FMC cantilever arm is the second basic element of the fischer massive channel system FMS and is suitable for fixing heavy pipeline routes along the wall.
- The cantilever arm is fastened directly to the substrate through the slotted holes in the base plate.
- Standard lengths of 500 - 1,500 mm, which stops cutting to length on site.
- The hot-dip gal. available for outdoor installations and corrosive environments.

Advantages
- The graduated length assortment of the FMC cantilever arms allows maximum adaptation to the respective application.
- The stable base plate of the cantilever provides a secure hold for a load-bearing construction.
- The completely hot-dip galvanised product range guarantees on-site processing without subsequent coating and simplifies and accelerates the assembly process sustainably.
- Material FMS 90 and 120: Steel S235JR (material no. 1.0038) acc. to DIN EN 10025-2
- Galvanisation: Hot-dip galvanised, min. 75 µm, acc. to DIN EN ISO 1461

SDS Quattric II expert hammer drill bit for the best performance in reinforced concrete.



Benefits
- Solid carbide tip (up to ø 10mm) for long service life.
- 4 x 90 ° cutting edges.
- Power shoulders for improved breakup performance in concrete.
- Massive main cutting edges for quick drilling progress.
- Reinforcement chamfers prevent jamming in the reinforcement.
- Centring tip for simple positioning.
- Wear mark for simple recognition of wear limit in accordance with PGM.
- Two-piece spiral for quick drilling progress and increased service life.

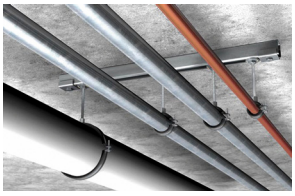
Performance
- Quattric II is a high performance drill bit with SDS-Plus adapter to create approval compliant drill holes in reinforced and non-reinforced concrete, solid block and sandlime brick.

Recommendation



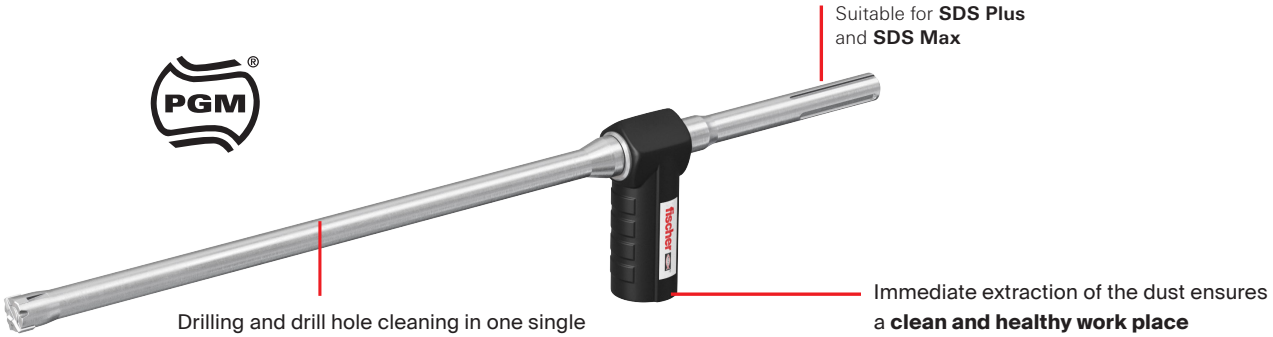


Applications





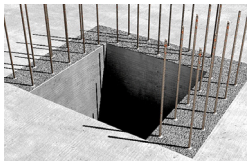
FHD hollow drill bit for reduced drilling dust and efficient, approved anchoring



Performance
- For creating approval compliant drill holes in concrete and also suitable for solid brick, solid sand-lime brick and natural stone.
- For drilling holes with low dust in combination with chemical and mechanical anchors.
- Ideal for sensitive surroundings where dust should be avoided - hospitals, manufacturing halls, at traffic routes, overhead applications etc.

Benefits
- Drill hole dust is extracted directly into the FVC 35M vacuum via the tip of the drill bit then along the hollow cylindrical shaft.
- Centering tip allows for accurate positioning on uneven surfaces which reduces slip.
- Wear indicator marks on the drill head for easy identification of the wear limit according to PGM
- Precision ground carbide tips ensure fast drilling

Applications







Pipe clamps for reliable fixing of pipes, ventilation systems and cable systems

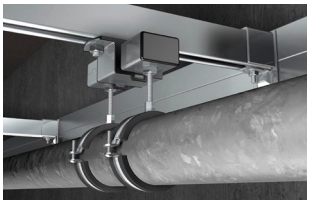
SaMontec Technology

Pipe clamps suitable for the fixing of light, medium and heavy weight pipelines made from different materials. Available with or without sound insulation inserts for pipe diameters from 8 to 508 mm. Fire protection and sound protection checks guarantee additional safety.

FGRS Plus hinged pipe clamp



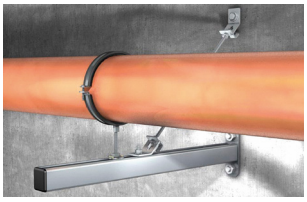
Advantages
- One piece, single screw rapid-locking mechanism for fast, time-saving installations.
- Sound insulation insert prevents it from falling out when inserting pipes.
- *For heating pipes, drinking water and service water pipes, medical gas supply.*



FRS & FRSL universal pipe clamp



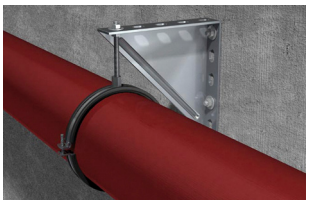
Advantages
- Fire tested inspection report.
- Two screw pipe clamp to suit all pipe diameters.
- *For heating pipes, drinking water and service water pipes, medical gas supply.*



FRSM Heavy duty pipe clamp-metric/inch



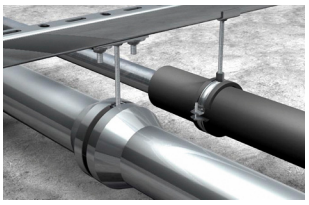
Advantages
- Tested for high loads loads guarantee save functioning of the FRSM.
- Sound protection insert.
- *For heating pipes, process pipes for gases and liquids.*



FRSK Refrigeration clamp



Advantages
- The two-screw refrigeration pipe clamp with integrated insulation.
- Age-resistant material ensures a long life of the FRS-K.
- *For cooling pipes.*



FRSP / FRSPL Sprinkler clamp



Advantages
- FRSP flexible sprinkler loop with FM and UL approval for pipes from ½" to 8"
- FRSL loop and band with VdS approval for height-adjustable fixing
- *For the approved fixing of sprinkler pipes.*



FUDB U-Clamp



Advantages
- Pipe and cable clamp for direct attachment of lines to FUS mounting rails.
- *For gas and compressed air pipes including process pipes.*

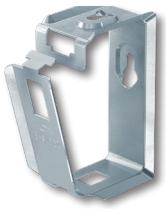


BS 7671 Wiring systems in excape routes. Not fire rated metal fixings.

In 2018 the BS7671 regulation was changed in response to the deaths of firefighters attempting to rescue people who had become entangled in collapsed wiring systems hanging over exit routes:

Wiring systems in escape routes
- Wiring systems in escape routes shall be supported such that they will not be liable to premature collapse in the event of a fire.
- It means that 'metal' fixings (not fire rated fixings) have to be used in all escape routes (page 3 of the BS7671 regulation change) in a factory or open plan office, all routes are escape routes!

SHA M Metal multi cable support with approval.



SHA M



SHA M 30



SHA M 70

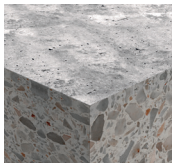
Building materials

Approved for fastening with nail anchor FNA II
Concrete C12/15 to C50/60, cracked, for multiple fixings of non structural applications.
Also suitable for:
Solid sand-lime brick
Natural stone with dense structure
Prestressed hollow-core concrete slabs

Benefits
- The multipal cable support can be opened/closed without tools making series installation faster.
- Ideal for the installation of electrical cables above fire protection ceilings.
- It can be fixed to walls and ceilings quickly with the FNA II nail anchor.
- Approved as a cable-specific variant for circuit integrity maintenance of electric cable systems in accordance with DIN 4102 Part 12.
- Complies with BS 7671:2018.

Performance
- The The SHA M is made of high strength metal and can be used to bundle and fasten electrical cables in suspended ceilings.
- The high strength metal has a long service life and safety in the event of fire.
- Depending on the version 15, 30 or 70 cables can be fixed at a time.

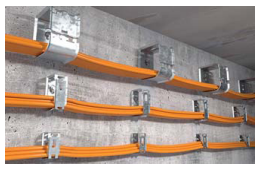
Recommendation



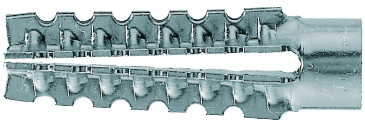


Applications





FMD Metal expansion anchor for wood and chipboard screws



Benefits
- The external teeth expand in the building material which ensures high load-bearing capabilities.
- Internal design makes it suitable for wood and chipboard screws, this offers higher installation safety and a broader range of applications.
- Direct hammering without pre-drilling into aerated concrete.

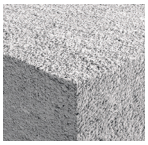
Performance
- The FMD is particularly suitable for securely fixing gas and water pipes, cable and pipe brackets in concrete, aerated concrete and solid and hollow building materials, as well as in solid gypsum panels.
- The special anchor is used in the pre-positioned installation, hammered directly into aerated concrete without predrilling.
- Inserting the screw causes the plug to expand, and the metal teeth fix the anchor securely in the building material.

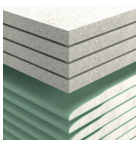
Recommendation











Applications





FIPW Intumescent endless wrap for sealing flammable pipes.



Benefits

- Efficient and effective for sealing of pipe openings in floors and walls
- Easy to fit
- Moisture resistant
- No mechanical fixing required
- Economical solution
- Up to 4 hours fire resistance
- Asbestos and halogen free
- Available on a roll for more flexibility in pipe diameters

Approvals

ETA-15/0694,
1121-CPR-JA5092

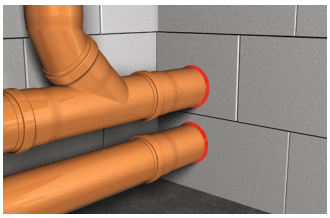
British Standard
BS 476 - 20
BS EN 1366 - 3

EU

warrington certifire Certification
CF 5036

Applications





Performance

- FiPW is a flexible composite strip, composed of thermoplastic component containing intumescent graphite in a synthetic compound.
- Manufactured to be wrapped around non metallic pipes and trunking, FiPW is designed to expand and provide up to 4 hours fire resistance in a pipe cavity created under fire.

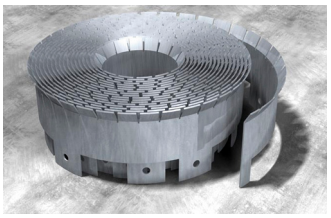
Recommended for

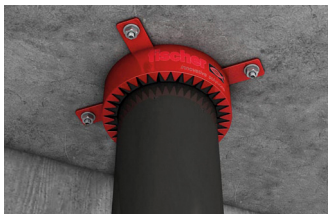
- Non-metallic pipes
- Polyvinyl Chloride PVC
- Chlorinated Polyvinyl Chloride cPVC
- Medium-density Polyethylene MDPE
- High-density Polyethylene HDPE
- Acrylonitrile Butadiene ABS

FIWS Wrap Strip for passive fire protection compartmentation solutions.



Applications





Benefits

- Efficient and effective for sealing of pipe openings in floors and walls.
- Easy to fit & moisture resistant.
- Freeze-thaw characteristics.
- No mechanical fixing required.
- Economical solution.
- Up to 4 hours fire resistance.
- Asbestos and halogen free.

Performance

- FiWS is a flexible, intumescent graphite based synthetic compound strip which has been designed to be installed around non metallic pipes, conduits, trunking and cabling in both vertical and horizontal applications.
- Tested in accordance with ASTM E 84 (UL723) & ASTM E 814 (UL1479)
- Privides up to 4 hours fire resistance on a wide range of applications.
- Asbestos and halogen free, and is unaffected by oil, fungus or vermin.

Approvals

CLASSIFIED C UL US

FILL, VOID OR CAVITY MATERIAL FOR USE IN THROUGH PENETRATIONS FIRE STOP SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 4NE5

Applications

Non-metallic service: PVC 14" (355 mm), cPVC 8" (203 mm), ABS 6" (152 mm), FRPP 4" (102 mm)
Insulated service: Steel 10" (254 mm), Iron 10" (254 mm), Copper 4" (102 mm), Glass fibre 3" (75 mm), AB/PVC flexible foam 1" (25 mm)
Cable bunches: 3" (76 mm)

FFC Fire Collar for sealing a wide range of combustible pipes when passing through fire rated walls and floors.



Benefits
- Easy retrofit at any time
- Water resistant
- No minimum annual service required
- Pre-fixed attachment lugs
- Fold back tag for secure fixture around pipe

Approvals

ETA-15/0696,
1121-CPR-JA5094

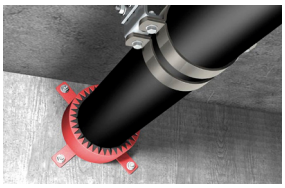
British Standard
BS 476 - 20
BS EN 1366 - 3

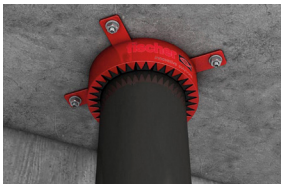
EU

Performance
- The FFC 2 is a powder coated cylindrical steel sleeve which contains a heat reactive graphite based intumescent material that expands during fire.
- Can be used on its own or in mixed penetration applications in conjunction with the FCPS fischer Coated Panel System.
- Annular gaps up to 10 mm can easily be backfilled with fischer FiAM Intumescent Acoustic Mastic.

Recommended for
Non-metallic pipes: like PVC, HDPE, MDPE, ABS of various sizes through fire rated walls and floor assemblies

Applications





FiP FireStop pillow for temporary and permanent service penetrations in both vertical and horizontal applications.



Benefits
- Approved as permanent fire barrier
- Reusable
- Dry installation
- Quick and easy installation
- No shelf life
- Moisture resistant
- Up to 2 hours fire protection

Approvals

ETA-14/0380
1121-CPR-JA5045

British Standard
BS 476 - 20
BS EN 1366-3
BS EN ISO 10140-3:1995

EU

Performance
- FiP intumescent graphite pillows are made from a mix of mineral fibre covered in a glass fibre PVC coated cloth bag. FiP is suitable for applications where temporary and permanent fire barriers are required.

Recommended for
Metal pipes
Cables/cable trays
Electrical trunking
Electrical trunking: for conformance with the 17th Edition of the IEE Wiring Regulations (BS 7671:2008)

Applications





FCPS FireStop Coated Panel System for multiple service penetrations.



Benefits

- Approved for light partition walls
- Can be installed dry
- No coat back required for services
- Excellent acoustic properties
- Up to 4 hours integrity and 2 hours insualtion
- Asbestos and halogen free

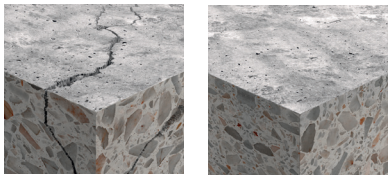
Applications

- Small and large openings
- Cables/cable trays
- Metallic or non-metallic pipes

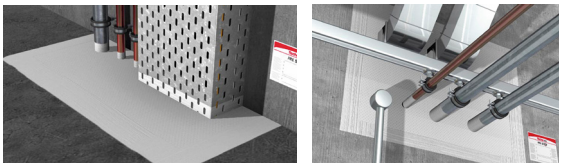
Performance

- The FCPS coated panel system is a rock fibre core coated with ablative sealant FPC fischer Panel Coating.
- Designed to provide effective and efficient firestopping seals in both vertical and horizontal applications.
- Helps to maintain the sound reduction index of a structure.
- Tested to BS 476 part 20 & amp; 22, EN 1366-3 and is ETA approved and CE Marked.
- Provides up to 4 hours integrity and 2 hours insulation on a wide range of applications.
- FPC can be used to adhere sections of FCPS board when jigsaw assembly is required and can also be used to enhances smoke and acoustic performance.
- The FCPS will allow additional services to be added or removed and will accommodate thermal and mechanical movement of services.

Recommendation



Applications



Approvals

ETA-14/0388
1121-CPR-JA5050

ETA-14/0382
1121-CPR-JA5048

British Standard
BS 476-20
BS 476: Part 22

British Standard
BS EN 1366-3
BS EN ISO 10140-3:1995

FiAM flexible fire resistant acoustic mastic.

Benefits
- Water based
- Low VOC
- Movement capability ± 25 %
- Excellent acoustic properties
- Approved for infinite linear gap length
- Halogen and solvent free
- Paintable and excellent slump characteristics
- Tested to BS EN1366-3 & 4, UL 2079 and BS476-20
- ETA appoved and CE Marked.

Performance
- FiAM is a one-part water-based acrylic emulsion.
- It has a fire resistance of up to 5 hours when used in construction joints and services in both vertical and horizontal applications.
- When exposed to fire, it reacts to form a highly insulative char that slows down heat transfer and provides a barrier to fire seal.
- It is suitably compatible in a variety of materials, and is utilised within the FCPS which is designed to seal large openings in fire rated floors and walls.



Recommendation





Applications





Approvals

ETA-14/0378
1121-CPR-JA5044

ETA-14/0379
1121-CPR-JA5044

British Standard
BS 476 - 20
BS EN ISO 10140-3:1995
BS EN 1026

CLASSIFIED c UL us
FILL, VOID OR CAVITY MATERIAL FOR USE IN THROUGH PENETRATIONS FIRE STOP SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 4NE5

UL EU

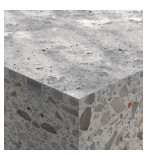
FiGM High performance intumescent graphite fire resistant mastic

Benefits
- Low VOC
- Excellent acoustic properties
- Halogen and solvent free
- Excellent slump characteristics

Performance
- FiGM is a one-part water-based flexible acrylic emulsion containing a high pressure intumescent graphite, which is used to seal service penetrations in both vertical and horizontal applications.
- It can expand up to 20 times its own volume and cures to form a resilient, flexible fire seal.
- Tested to both BS 476 & BS EN1366-3 /4 the fischer FiGM is also ETA approved and CE Marked for a wide range of applications such as, non metallic pipes, metallic and insulated pipes, MLC pipes, cables and cable bunches and can also used in combination with the fischer FCPS Coated Panel System.



Recommendation





Applications





Approvals

ETA-14/0381
1121-CPR-JA5047

British Standard
BS 476 - 20
BS EN 1026

British Standard
BS EN ISO 140-3:1995
BS EN 1366-3: 2004

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UL EU

Standards and certifications

Approvals, markings and their importance

British Standard
BS 476-20

BS 476-20:1987
Fire tests on building materials and structures. Method for determination of the fire resistance of elements of construction (general principles).

BS EN13501-1

EN13501-1:2007+A1:2009
Fire classification of construction products and building elements. Reaction to Fire.

BS EN13501-2

EN13501-2:2007+A1:2009
Fire classification of construction products and building elements. Resistance to Fire.

BS EN1366-3: 2004

EN1366-3:2004
Fire resistance tests for service installations - Penetration seals.

BS EN1366-4: 2006

EN1366-4:2006
Fire resistance tests for service installations - Linear joint seals.

DIN

DIN 4102:Part1
Fire behaviour of building material and elements - Part 1: Building materials, concepts.

American Standard
ASTM E 84 (UL 723)

ASTM E 84
Test method for Surface Burning Characteristics of Building materials. The test evaluates the spread of flame along the surface of the material. It is not a resistance test.

American Standard
ASTM E 1966
(UL 2079)

ASTM E 1996 Test method for Fire-Resistive Joint Systems.This test is used to evaluate the performance of a joint after a cyclic movement test and fire exposure test. UL 2079 - equivalent.

American Standard
ASTM E 814 (UL 1479)

ASTM E 814
Test method for Fire Tests of Through Penetrations Fire Stops. This test is used to evaluate the performance of a firestop system, following fire exposure a hose stream test is conducted.
UL 1479 - equivalent.

BS EN ISO 10140

BS EN ISO 10140:2010
The laboratory measurement of airborne sound insulation of buildng elements.

BS EN 1026

BS EN 1026: 2000
Air permeability test method.

BS EN 1027

BS EN 1027: 2000
Water permeability test method.

CE marking is a declaration by the manufacturer (through verified testing) that the product meets all the appropriate provisions of the relevant legislations implementing certain European Directives. ETA - The European Technical Assessment provides information about the construction product to be declared in relation to its essential characteristics.

UL is an abbreviation for Underwriters Laboratories Inc. which is an independant, not for profit product safety testing and certification organisation.

UL-EU Mark is intended for use on products destined for the European marketplace.

FM Approvals is an international leader in third-party certification and approval of commercial and industrial products.

Approved CF 5036

APPROVED PRODUCT
CF xxxx

Certifire is an independant Third Party Certification organisation. The scheme undertakes requirements such as the manufacturing of products under a Third Party Quality Management System, Independent Audit Testing, and a Comprehensive Field of Applications document based on careful chosen test that helps to ensure the products and systems are used within their approval scope.

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